

Attachment A: Summary of Leaking Offtake Piping Observed on May 8th and May 23rd

On May 8th, between 11:00 and 11:18, inspectors observed visible emissions leaking from offtake piping at or near the following ovens:

Time	Oven Number	Area of Oven Leaking
11:00	76	Coke side, offtake piping
11:00	74	Coke side, valve and offtake piping
11:01	70	Coke side, offtake piping
11:01	72	Coke side, offtake piping
11:02	69	Coke side, offtake piping
11:04	68	Coke side, offtake piping
11:04	64	Coke side, offtake piping
11:04	61	Coke side, offtake piping
11:05	60	Coke side, offtake piping
11:06	50	Coke side, offtake piping
11:06	48	Coke side, offtake piping
11:08	46	Coke side, offtake piping and gasket leading to collector main
11:09	42	Coke side, offtake piping
11:12	38	Coke side, offtake piping and gasket leading to collector main
11:12	34	Coke side, offtake piping
11:14	31	Coke side, offtake piping
11:14	27	Coke side, offtake piping
11:15	25	Coke side, offtake piping
11:17	24	Coke side, offtake piping

11:18	18	Coke side, offtake piping
11:18	13	Coke side, offtake piping

On May 23rd, between 11:08 and 11:55, EPA's inspector observed visible emissions leaking from offtake piping at or near the following ovens:

Time	Oven Number	Area of Oven Leaking
11:08 am	76	Coke side, jointure between offtake and battery interface
11:08 am	75	Coke side, offtake lid and charging port
11:08 am	73	Coke side, offtake lid
11:09 am	69	Coke side, gooseneck, lid, and standpipe
11:10 am	67	Coke side, standpipe
11:12 am	65	Coke side, offtake lid
11:13 am	61	Coke side, flue cap and standpipe
11:15 am	57	Coke side, standpipe
11:17 am	47	Coke side, offtake lid
11:18 am	43	Coke side, offtake lid
11:20 am	38	Coke side, connector leading to CM
11:21 am	37	Coke side, offtake lid
11:21 am	36	Coke side, offtake lid
11:24 am	35	Coke side, offtake lid
11:25 am	33	Coke side, offtake lid
11:30 am	27	Coke side, connector leading to CM

11:33 am	23	Coke side, connector leading to CM
11:34 am	19	Coke side, standpipe
11:35 am	18	Coke side, connector leading to CM
11:36 am	16	Coke side, offtake lid
11:37 am	8	Coke side, offtake lid
11:40 am	12	Coke side, offtake lid
11:42 am	4	Coke side, offtake lid
11:51 am	35	Push side, connector leading to CM
11:55 am	63	Push side, standpipe

Attachment B: Summary of Visible Emissions Observed During Charging Operations on May 24th

On May 24, 2018, while standing topside, EPA's inspector observed visible emissions exceeding 125 seconds during 5 consecutive charges of the coke battery:

Charge Number	Oven Number	Charge Began	Charge Ended	Duration of Emissions Observed
1	6	12:51 pm	12:54 pm	67 seconds
2	8	1:14 pm	1:19 pm	41 seconds
3	10	1:39 pm	1:41 pm	44 seconds
4	12	1:57 pm	2:01 pm	8 seconds
5	14	2:15 pm	2:17 pm	8.5 seconds